

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference EL/2-22880	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/EP2004/050606	International filing date (day/month/year) 26/04/2004	(Earliest) Priority Date (day/month/year) 05/05/2003
Applicant  CIBA SPECIALTY CHEMICALS HOLDING INC.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the report**

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

NOVEL POLYMERS COMPRISING BENZOTRIAZOLE FOR USE IN OPTICAL DEVICES

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. \_\_\_\_\_

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/050606

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 C08G61/12

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C08G C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 97/12882 A (HOECHST CELANESE CORP) 10 April 1997 (1997-04-10) cited in the application page 11, line 5	1
A	WO 01/49768 A (CAMBRIDGE DISPLAY TECHNOLOGY) 12 July 2001 (2001-07-12) cited in the application page 5, line 11 - page 8, line 4; claims 1-16 ----- -/--	1-13

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

27 September 2005

Date of mailing of the international search report

07/10/2005

Name and mailing address of the ISA

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## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/050606

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>YOSHIDA S ET AL: "FUNCTIONAL POLYMERS. XII: SYNTHESIS AND POLYMERIZATION OF 2(2-VINYL-4-HYDROXYPHENYL)2H-BENZOTRIAZOLE AND 2(3-VINYL-4-HYDROXYPHENYL)2H-BENZOTRIAZOLE"</p> <p>MONATSHFTE FUR CHEMIE, SPRINGER VERLAG. WIEN, AT, vol. 113, May 1982 (1982-05), pages 603-622, XP001118170 ISSN: 0026-9247 page 621; figure 5</p>	1-10
A	<p>LI S ET AL: "FUNCTIONAL POLYMERS. XXI SYNTHESIS OF COMPOUNDS WITH MORE THAN ONE BENZOTRIAZOLE GROUP IN THE MOLECULE"</p> <p>MONATSHFTE FUR CHEMIE, SPRINGER VERLAG. WIEN, AT, vol. 114, 1983, pages 937-951, XP001118164 ISSN: 0026-9247 figures 1,2</p>	1-10
A	<p>GOMPPER R ET AL: "Chemistry and Nonlinear Optical Properties of New 2H-Benzotriazole Derivatives"</p> <p>TETRAHEDRON, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 52, no. 46, 11 November 1996 (1996-11-11), pages 14607-14624, XP004105059 ISSN: 0040-4020 page 14615, line 24 - line 25</p>	1-10
X	<p>US 6 451 887 B1 (WOOD ET AL) 17 September 2002 (2002-09-17) column 2, line 6 - column 8, line 53; claims 1,2; examples 72,73</p>	13
X	<p>WO 02/12204 A (CIBA SPECIALTY CHEMICALS) 14 February 2002 (2002-02-14) page 2, line 4 - page 3, line 10; claim 1; example 32</p>	13
X	<p>DE 26 20 970 A (CIBA-GEIGY) 25 November 1976 (1976-11-25) claim 1</p>	13

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/050606

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9712882	A	10-04-1997	EP 0862561 A2	09-09-1998
WO 0149768	A	12-07-2001	DE 60107380 D1	30-12-2004
			EP 1244723 A2	02-10-2002
			JP 2003519266 T	17-06-2003
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			US 2002169239 A1	14-11-2002
			US 6392056 B1	21-05-2002
DE 2620970	A	25-11-1976	BE 841770 A1	16-11-1976
			BR 7603021 A	31-05-1977
			CH 615427 A5	31-01-1980
			FR 2311012 A1	10-12-1976
			GB 1494823 A	14-12-1977
			JP 1310804 C	11-04-1986
			JP 51138678 A	30-11-1976
			JP 60036431 B	20-08-1985
			NL 7605207 A	16-11-1976